AMSAT News Service Weekly Bulletins
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AMSAT NEWS SERVICE
ANS-076

ANS is a free, weekly, news and information service of AMSAT North America, The
Radio Amateur Satellite Corporation. ANS reports on the activities of a
worldwide group of Amateur Radio operators who share an active interest in
designing, building, launching and communicating through analog and digital
Amateur Radio satellites.

Please send any amateur satellite news or reports to:

ans-editor@amsat.org

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ANS-076 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 055.01
  From AMSAT HQ SILVER SPRING, MD.
March 17, 2013
To All RADIO AMATEURS
BID: $ANS-076.01

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* AMSAT-DC Spring Workshop on Portable Satellite Ground   *
* Stations - Saturday, March 23, 2013, at the NASA Goddard Space *
* Flight Center in Greenbelt, MD beginning at 9:00AM EDT. Pre-   *
* registration is required. To register call Martha at the AMSAT *
* Office 301-589-6062 no later than Thursday, March 21. Sorry,   *
* no late registration at the door! See full details at: *
*   http://patkilroy.com/amsat-dc/   *
*   *
* The suggested donation for advanced registration and admission *
* for non-AMSAT members is $25. Registration for AMSAT members   *
* registering in advance is free.   *
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Call for Volunteers for the AMSAT Booth at Dayton 2013

The 2013 Dayton Hamvention, sponsored by the Dayton Amateur Radio Association
will be held this year on May 17-19, 2013. "Dayton" is the

largest hamfest in the United States, and AMSAT will be there again this year.

You can assist AMSAT by volunteering to help staff the booth. While there, you will meet other AMSAT members, interact with the satellite designers, builders, and operators, and enjoy all that Dayton has to offer.

People are needed to assist with the setup of the booth on Thursday, May 16 (11 a.m. to 4 p.m.), to staff the booth Friday (9 to 6), Saturday (9 to 5), and Sunday (9 to 1), and packup on Sunday (1 to 3). Most people volunteer for one or more 2 hour shifts in the booth.

Unfortunately, Gould Smith WA4SXM, AMSAT's VP-User Services and long-time Dayton Team Leader will be unable to attend Dayton this year because of health issues. AMSAT President Barry Baines, WD4ASW has asked Steve Belter, N9IP to take the lead on AMSAT's Dayton Operations and he has graciously agreed to coordinate AMSAT's activities at Dayton for this year. Steve is a long-time volunteer who has assisted AMSAT at Hamvention in prior years. Please send an e-mail to Steve Belter,n9ip@amsat.org, if you are willing to help AMSAT at the Hamvention. Please advise by April 30thl if you're available to assist.

Additional information on the Hamvention can be found at www.hamvention.org. Information on AMSAT's extensive Hamvention activities, including details about the informal "Get Together" on Thursday evening, the joint AMSAT-TAPR Dinner on Friday evening, the AMSAT Forum on Saturday, satellite demonstrations, etc. will be available on the AMSAT website (www.amsat.org) "soon."

(ANS thanks AMSAT President Barry Baines, WD4ASW and Steve Belter, N9IP for the above information)

FCC Guidance On Obtaining Licenses For Small Satellites

The Federal Communications Commission (FCC) released a Public Notice to provide guidance concerning FCC licensing of spectrum for use by small satellites, including satellites that fall within the categories of pico-satellites, nano-satellites and cubesats. The advent of such small satellite designs has brought with it dramatically lower launch costs, enabling a larger

range of
organizations to directly launch satellites. Institutions such as
universities
and research organizations that previously found it cost prohibitive
to launch
their own satellite can now participate in the exploration of space.
Many of
these participants may be unfamiliar with the
spectrum licensing, scheduling and
other requirements attendant on satellites. This Public Notice seeks
to alert
affected parties of these requirements and thus
aid small satellite operators in
the planning necessary for a successful launch operation.

The Commission's rules set forth three different procedures for
licensing
satellites. The Commission's Part 25 rules are
the primary vehicle for satellite
licensing, and are used for licensing a wide range of satellite
operations,
including commercial communication and remote sensing satellites. The
Commission's Part 5 rules cover experimental operations. The
Commission's Part
97 rules cover amateur radio service satellite operations.

Currently, many small satellite missions involve experimental
operations - i.e.
scientific and research missions, including missions conducted under
government
contract - and many operate in amateur frequency bands. These
satellites are
therefore licensed under Parts 5 or 97 of FCC rules. Because of the
significant
interest in small satellites in the amateur and research communities,
the
primary focus of this Public Notice is on such operations, although
certain
guidance in this Public Notice is also applicable to Part 25
licensing.
licenses well in advance of a launch.

The full public notice can be found at
http://www.fcc.gov/document/guidance-obtaining-licenses-small-satellit
es

[ANS thanks the FCC for the above information]

Satellite DX in Pacific

JD1, OGASAWARA. Makoto, JI5RPT, will once again be active as JD1BLY
from Chichijima Island (AS-031), Ogasawara, between April 28th and May
4th.
Activity will be on 40-6 meters, including the satellites, using CW,
SSB and the Digital modes (NO 6m EME). QSL via his home callsign
JI5RPT.

His log search will be available on his Web site at:
http://www.ji5rpt.com/jd1

He will also use Twitter to inform his real-time activities at:
http://twitter.com/jd1bly

[ANS thanks the Ohio/Penn DX Bulletin for the above information]

European CubeSat Symposium

The 5th European CubeSat Symposium that will take place on 3-5 June 2013 at the
premises of Royal Military Academy in Brussels, Belgium.

This is the biggest CubeSat related event in Europe and last year it attracted
more than 250 participants and industrial exhibits of 7 specialized companies.
This year even greater participation is expected. Applicants from all around the
world are welcome.

The call for proposals and the online abstract submission system is available at
www.CubeSatSymposium.eu

The important dates are:

15 Mar 2013:	Deadline for the submission of abstracts
15 April 2013:	Notification of acceptance
15 May 2013:	Publication of the programme and the abstracts
24 May 2013:	Deadline for online registration
3-5 June 2013:	5th European CubeSat Symposium at ERM, Brussels (3 full days)
6 June 2013:	6th QB50 Workshop at VKI, Brussels (by invitation only)

The session topics are:

- CubeSat networks/constellations/swarms
- Scientific instruments/sensors on CubeSats
- Biology and microgravity experiments on CubeSats
- Technology demonstration on CubeSats
- Micropropulsion subsystems, formation flying
- Attitude determination and control subsystem
- Telecommunications, ground stations, ground station networks
- Orbital dynamics for CubeSats, lifetimes of CubeSats in orbit
- CubeSat flight experience, lessons learned
- Other topics (e.g. expandable solar arrays, atmospheric re-entry, CubeSats as free-flying payloads for the exploration of the Solar System)
- Future technologies on CubeSats
- Deployment systems for CubeSats

[ANS thanks Cem O. Asma for the above information]

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In addition to regular membership, AMSAT offers membership in the President's Club. Members of the President's Club, as sustaining donors to AMSAT Project Funds, will be eligible to receive additional benefits. Application forms are available from the AMSAT Office.

Primary and secondary school students are eligible for membership at one-half the standard yearly rate. Post-secondary school students enrolled in at least half time status shall be eligible for the student rate for a maximum of 6 post-secondary years in this status. Contact Martha at the AMSAT Office for additional student membership information.

73,
This week's ANS Editor,
Lee McLamb, KU4OS
ku4os at amsat dot org